

## Title (en)

Sunscreening compositions containing a benzotriazole derivative and a compound containing benzoazolyle or benzodiazolyle groups

## Title (de)

Sonnenschutzmittel enthaltend einen Benzotriazol-Derivativen und eine Verbindung mit Benzoazolyl- oder benzodiazolyl-Gruppen

## Title (fr)

Compositions photoprotectrices contenant un dérivé de benzotriazole et un composé à groupements benzoazolyle ou benzodiazolyle

## Publication

**EP 1027882 A1 20000816 (FR)**

## Application

**EP 00400246 A 20000131**

## Priority

FR 9901728 A 19990212

## Abstract (en)

Cosmetic composition for topical use comprises a combination of a benzotriazole ultraviolet filter (I) and an ultraviolet filter (II) selected from compounds (IIA) containing at least two benzoazolyl groups and compounds (IIB) containing at least one benzodiazolyl group, where the combination of (I) and (II) provides a synergistically enhanced solar protection factor. Cosmetic composition for topical use comprises a combination of a benzotriazole ultraviolet filter of formula (I) and an ultraviolet filter (II) selected from compounds (IIA) containing at least two benzoazolyl groups and compounds (IIB) containing at least one benzodiazolyl group, where the combination of (I) and (II) provides a synergistically enhanced solar protection factor. A = H or -L-W; n = 1-3; Y = 1-10C alkyl, halo, 1-10C alkoxy or SO<sub>3</sub>H, or two Y groups on adjacent positions of the same aromatic ring form 1-2C alkylidenedioxy, provided that Y are not SO<sub>3</sub>H when A is -L-W; L = -(X)m-(CH<sub>2</sub>)p-CHZ-CH<sub>2</sub>-; X = O or NH; Z = H or 1-4C alkyl; n = 0-3; m = 0 or 1; p = 1-10; W = Si(R)3 or a group of formula (i) or (ii): R = 1-10C alkyl, phenyl and/or 3,3,3-trifluoropropyl, at least 80% being methyl; B = R or V; V = group of formula (I) with A replaced by L; r = 0-50; s = 1-20; u = 1-6; t = 0-10; t+u = 3 or more; provided that at least one B group is V when s is zero.

## Abstract (fr)

L'invention concerne de nouvelles compositions cosmétiques à usage topique, en particulier pour la photoprotection de la peau et/ou des cheveux, caractérisées par le fait qu'elles comprennent, dans un support cosmétiquement acceptable notamment de type huile-dans-eau, (a) au moins un dérivé de benzotriazole particulier à titre de premier filtre, et (b), à titre de deuxième filtre, au moins un composé comportant au moins deux groupes benzoazolyle ou bien un composé comportant au moins un groupe benzodiazolyle; lesdits premier et second filtres étant présents dans lesdites compositions dans une proportion produisant une activité synergique au niveau des indices de protection solaire conférés. L'invention concerne également leur application à la protection de la peau et des cheveux contre les effets du rayonnement ultraviolet.

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## IPC 8 full level

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